



## Long-term oral drug delivery

Oral drug administration methods capable of long-term drug delivery are needed for several therapies. This means less burden on patients to self-administer drugs in cases where they may have reduced capabilities to do so, the drug side-effects would be reduced, and drugs in the pipeline development could reach the clinical trials due to more effective methods to administer them.

We are developing drug delivery devices that can steadily release pharmaceuticals in oral cavity for weeks or even months in a patient-friendly way. Our technology reduces the applied dosage sizes, and reduce the likelihood of overdose and side-effects. It can release a drug or drug combination for the therapy of oral or systemic diseases in a controlled fashion. Our technology represents a substantial improvement to conventional drug formulation methods for diseases characterized by chronic conditions and high likelihood of side-effects caused by medication.

### **Antti Rahikkala, D.Sc.,**

Capsamedix CEO, Postdoc

Antti has a Ph.D. in applied physics and several years of experience in drug delivery and materials science. He is working to develop the Capsamedix technology and managing the company.



### **Hélder A. Santos, D.Sc.,**

Assoc. Professor in Pharmaceutical Nanotechnology.

Santos has a D.Sc. Tech., Chem. Eng., Lic. Chem. Eng. and Lic. Chem., and many years of experience in nanotechnology, drug delivery and pharmaceutical sciences. He is the chairman of Capsamedix.



### **Mohammad-Ali Shahbazi, D.Sc.,**

Postdoctoral Fellow

Ali holds a Ph.D. in pharmaceutical technology and has worked for several years on advanced therapeutic dosage forms and polymer science. He is currently working on the R&D of Capsamedix.



**SPARK VALUE:** We want the SPARK program to guide us towards translating our invention into a market-viable product. We hope to expand our networks, find partners in pharmaceutical industry, and secure investment, all of which are crucial for our project to reach clinical application. SPARK program has seasoned professionals who can help us realize our potential.